

What is claimed is:

1. An electronic detonator for use in an electronic blasting system including a blasting machine and a logger, wherein said detonator is configured and/or programmed enter a blaster mode when it is attached to a blasting machine and to enter a logger mode when it is attached to a logger.
2. The detonator of claim 1, wherein said detonator is further configured and/or programmed to implement safety precautions when it is not in blaster mode.
3. The detonator of claim 2, further including a firing capacitor, wherein said precautions include one or more precautions selected from the following group: (a) automatic discharging of a firing capacitor, (b) preventing acceptance of any charge command, and (c) preventing a charging switch from closing.
4. The detonator of claim 2, further including a firing capacitor, wherein said precautions include one or more precautions selected from the following group: (a) preventing a firing capacitor from charging, and (b) preventing acceptance of any firing command.
5. The detonator of claim 2, wherein said precautions include preventing a detonator firing switch from closing.

6. The detonator of claim 2, wherein said blasting machine has a first operating voltage range and said logger has a second operating voltage range and said detonator is configured and/or programmed to distinguish between said first and second operating voltage ranges.
7. The detonator of claim 6, wherein said first and second operating voltage ranges do not overlap each other.
8. An electronic blasting system including an electronic detonator wherein the system is configured and/or programmed so that said electronic detonator enters either blaster mode or logger mode depending upon whether it is attached to a blasting machine or a logger.
9. The system of claim 8, wherein said detonator is configured and/or programmed to implement safety precautions when it is not in blaster mode.
10. The system of claim 9, wherein said electronic detonator includes a firing capacitor and wherein said precautions include the disabling of said firing capacitor.
11. The system of claim 9, wherein said precautions include preventing a detonator firing switch from closing.

12. The system of claim 8, wherein said system includes a blasting machine having a first operating voltage range, wherein said logger has a second operating voltage range, and wherein said detonator is configured and/or programmed to distinguish between said first and second operating voltage ranges.
13. The system of claim 12, wherein said first and second operating voltage ranges do not overlap each other.
14. A method of selecting between logger mode and blaster mode in an electronic detonator, comprising the following steps:
 - a) attaching to an electronic detonator a master device that is either a blasting machine or a logger, without first manually setting said electronic detonator in a mode that is selected based on the identity of said master device;
 - b) issuing one or more identifying signals from said master device; and,
 - c) operating said detonator in a mode that corresponds to the particular identifying signal issued from said master device.
15. The method of claim 14, wherein a blasting machine has a first operating voltage range and a logger has a second operating voltage range, wherein step b) includes operating said master device at its respective operating voltage

range, said method further comprising the step of said detonator distinguishing between said operating voltage ranges.

16. The method of claim 14, further comprising the step of said detonator effecting safety precautions when it is not in blaster mode.
17. The method of claim 16, wherein said detonator includes a firing capacitor and wherein said precautions include the disabling of said firing capacitor.
18. The system of claim 16, wherein said precautions include preventing a detonator firing switch from closing.
19. The method of claim 17, wherein said precautions include preventing a detonator firing switch from closing.
20. The method of claim 19, wherein a blasting machine has a first operating voltage range and a logger has a second operating voltage range, wherein step b) includes operating said master device at its respective operating voltage range, said method further comprising the step of said detonator distinguishing between said operating voltage ranges.